

	Type	L #	Hits	Search Text
1	BRS	L1	49580	cox or cyclooxygenase
2	BRS	L2	2251	"1.9" near10 (kb)
3	BRS	L3	100	l1 and l2
4	BRS	L4	96	l3 and (inhibit or inhibitor)
5	BRS	L5	29	l4 and (reporter near3 gene)
6	BRS	L6	7881	cyclooxygenase
7	BRS	L7	7543	l6 and (inhibit or inhibitor or modulate or modulator)
8	BRS	L8	477	l7 and (reporter near3 gene)
9	BRS	L9	170	l8 and "1.9"
10	BRS	L10	409	l8 and (galactosidase or luciferase)
11	BRS	L11	248	l8 and ((galactosidase or luciferase) near10 reporter)
12	BRS	L13	41	(cyclooxygenase or cox) near10 ((galactosidase or luciferase))
13	BRS	L12	10	(cyclooxygenase or cox) near10 ((galactosidase or luciferase) near10 reporter)
14	BRS	L14	40	(l12 or l13) and (inhibitor or inhibit or modulate or modulator)
15	BRS	L15	13	98/37235
16	BRS	L16	99	"37235"
17	BRS	L17	3	dannenberg and pasco

RESULT 1
 HSU44805
 LOCUS HSU44805 1979 bp DNA linear PRI 02-FEB-1996
 DEFINITION Human prostaglandin H synthase type 2 (PHS-2) gene, promoter
 sequence and partial cds.
 ACCESSION U44805
 VERSION U44805.1 GI:1174223
 KEYWORDS .
 SOURCE Homo sapiens (human)
 ORGANISM Homo sapiens
 Eukaryota; Metazoa; Chordata; Craniata; Vertebrata; Euteleostomi;
 Mammalia; Eutheria; Primates; Catarrhini; Hominidae; Homo.
 REFERENCE 1 (bases 1 to 1979)
 AUTHORS Kutchera,W.A., Jones,D.A., Matsunami,N., Groden,J., McIntyre,T.M.,
 Zimmerman,G.A., White,R.L. and Prescott,S.M.
 TITLE Prostaglandin H synthase-2 is expressed abnormally in human colon
 cancer: evidence for a transcriptional effect
 JOURNAL Proc. Natl. Acad. Sci. U.S.A. (1996) In press
 REFERENCE 2 (bases 1 to 1979)
 AUTHORS Kutchera,W.A.
 TITLE Direct Submission
 JOURNAL Submitted (05-JAN-1996) William A. Kutchera, Human Molecular
 Biology and Genetics, University of Utah, Building 533, Salt Lake
 City, UT 84112, USA
 FEATURES
 source Location/Qualifiers
 1. .1979
 /organism="Homo sapiens"
 /mol_type="genomic DNA"
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 promoter 1. .1976
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 CDS 1977. .>1979
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 /translation="M"

ORIGIN

Query Match 97.3%; Score 1851; DB 9; Length 1979;
 Best Local Similarity 99.9%; Pred. No. 0;
 Matches 1901; Conservative 0; Mismatches 1; Indels 0; Gaps 0;

Qy 1 GGATTCTAACATGGCTTCTAACCCAACTAACATTAGTAGCTCTAACTATAAACTTCAAA 60
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 Db 46 GGATTCTAACATGGCTTCTAACCCAACTAACATTAGTAGCTCTAACTATAAACTTCAAA 105
 Qy 61 TTTCAGTAGATGCAACCTACTCCTTTAAATGAAACAGAAGATTGAAATTATTAAATTAT 120
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 Db 106 TTTCAGTAGATGCAACCTACTCCTTTAAATGAAACAGAAGATTGAAATTATTAAATTAT 165

Qy 121 CAAAAAGAAAATGATCCACGCTCTTAGTTGAAATTTTCATGTAAGATTCCATGCAATAAAT 180
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 Db 166 CAAAAAGAAAATGATCCACGCTCTTAGTTGAAATTTTCATGTAAGATTCCATGCAATAAAT 225

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 Db 226 AGGAGTGCCATAAATGGAATGATGAAATATGACTAGAGGAGGAGAAAGGCTTCCTAGATG 285

Qy 241 AGATGGAATTTTAGTCATCCGTGTCTCATGAAGAATCAGATGTGTACACTAAGCAAAACA 300
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 Db 286 AGATGGAATTTTAGTCATCCGTGTCTCATGAAGAATCAGATGTGTACACTAAGCAAAACA 345

Qy 301 GTTAAAAAAAACCTCCAAGTGAGTCTCTTATTTATTTTTTTCTTATAAGACTTCTACA 360
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 Db 346 GTTAAAAAAAACCTCCAAGTGAGTCTCTTATTTATTTTTTTCTTATAAGACTTCTACA 405

Qy 361 AATTGAGGTACCTGGTGTAGTTTTATTTTCAGGTTTTATGCTGTCATTTTCCTGTAATGCT 420
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 Db 406 AATTGAGGTACCTGGTGTAGTTTTATTTTCAGGTTTTATGCTGTCATTTTCCTGTAATGCT 465

Qy 421 AAGGACTTAGGACATAACTGAATTTTCTATTTTCCACTTCTTTTCTGGTGTGTGTGTATA 480
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 Db 466 AAGGACTTAGGACATAACTGAATTTTCTATTTTCCACTTCTTTTCTGGTGTGTGTGTATA 525

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Qy	1081		TTTCTTCTGTTGAAAGCAACTTAGCTACAAAGATAAATTACAGCTATGTACACTGAAGGT	1140	
Db	1126		TTTCTTCTGTTGAAAGCAACTTAGCTACAAAGATAAATTACAGCTATGTACACTGAAGGT	1185	
Qy	1141		AGCTATTTTCATTCCACAAAATAAGAGTTTTTTAAAAAGCTATGTATGTATGTCCTGCATA	1200	
Db	1186		AGCTATTTTCATTCCACAAAATAAGAGTTTTTTAAAAAGCTATGTATGTATGTCCTGCATA	1245	
Qy	1201		TAGAGCAGATATACAGCCTATTAAGCGTCGTCACATAAAACATAAAACATGTCAGCCTTTC	1260	
Db	1246		TAGAGCAGATATACAGCCTATTAAGCGTCGTCACATAAAACATAAAACATGTCAGCCTTTC	1305	
Qy	1261		TTAACCTTACTCGCCCCAGTCTGTCCCGACGTGACTTCCTCGACCCTCTAAAGACGTACA	1320	
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Qy	1321		GACCAGACACGGCGGGCGGCGGGAGAGGGGATTCCCTGCGCCCCCGGACCTCAGGGCC	1380	
Db	1366		GACCAGACACGGCGGGCGGCGGGAGAGGGGATTCCCTGCGCCCCCGGACCTCAGGGCC	1425	
Qy	1381		GCTCAGATTCTGGAGAGGAAGCCAAGTGTCTTCTGCCCTCCCCCGGTATCCCATCCAA	1440	
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Qy	1621		GATTTTCTCATTTCCGTGGGTAAAAAACCCCTGCCCCACCGGGCTTACGCAATTTTTTTA	1680	
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Qy	1681		AGGGGAGAGGAGGGAAAAATTTGTGGGGGTACGAAAAGGCGGAAAGAAACAGTCATTTTC	1740	
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Qy	1741		GTCACATGGGCTTGTTTTCAGTCTTATAAAAAGGAAGGTTCTCTCGGTTAGCGACCAAT	1800	
Db	1786		GTCACATGGGCTTGTTTTCAGTCTTATAAAAAGGAAGGTTCTCTCGGTTAGCGACCAAT	1845	
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Db 1846 TGTCATACGACTTGTCAGTGAGCGTCAGGAGCACGTCCAGGAACTCCTCAGCAGCGCCTCC 1905

Qy 1861 TTCAGCTCCACAGCCAGACGCCCTCAGACAGCAAAGCCTACC 1902

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Db 1906 TTCAGCTCCACAGCCAGACGCCCTCAGACAGCAAAGCCTACC 1947